

# ULTRAVIOLET SCREENING AGENT

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Anmelder: SUMITOMO CHEMICAL CO

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- Europäische:

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## Zusammenfassung von JP62275182

PURPOSE: To provide an ultraviolet screening agent comprising a composite oxide of specific metals and Zn, excellent in ultraviolet screening characteristics and visible light and near-ultraviolet light transmission, without having any catalytic activity and deteriorating coexisting organic materials. CONSTITUTION: A Zn salt [e.g.,  $\text{Zn}(\text{NO}_3)_2$ ] and at least one salt selected from among salts of Al, Fe, Cr, Ce, Zr and Ti (e.g., aluminum polychloride) as dissolved in an aqueous alcohol solution of a concentration of at least 5vol% so that the atomic ratios of each metal to 1 part of Zn in the solution are Al: 0.001-0.5, Fe: 0.0001-0.5, Cr: 0.005-0.3, Ce: 0.00005-2, Zr: 0.0005-0.5 and Ti: 0.01-0.5. Said solution is hydrolyzed in the presence of a hydrolysis precipitating medium comprising urea and/or hexamethylenetetramine at a room temperature - 100 deg.C for 3-6hr to obtain a product. After said product is dried at a room temperature - 200 deg.C, calcined at 350-1,100 deg.C for 1-3hr to obtain an ultraviolet screening agent comprising a composite oxide of Zn and the above-mentioned metals having an average particle diameter of 0.001-0.5 $\mu\text{m}$ .

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